

ABSTRACT

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Title of diploma thesis:

Results of parasitological diagnosis and evaluation of drug administrations in population of wisents in the game enclosure Židlov II

This diploma thesis continues on the thesis "Results of parasitological diagnosis and evaluation of drug administrations in population of wisents in the game enclosure Židlov I."

This second part deals with the examination of parazitostatus of an acclimatization enclosure after the release of bison into the game enclosure Židlov. Parazitostatus of the acclimatization enclosure was tested by biological study using sheep. A nine sheep herd was placed, on the vegetation season, into acclimatization object and spend there 7 months. For another 3 months (winter season) this herd was stabled in the breeding object, then 6 pieces were butchered and then underwent parasitological autopsy. Samples of fresh droppings of these sheep were, across the whole period of biological studies, coprologically examined for the presence of trematode eggs. Findings were in all cases negative. Also, the autopsy examination did not prove the presence of trematodes, the acclimatization enclosure was not therefore infected by trematodes and is safe for other animals that will reside in acclimatization.

Furthermore, this diploma thesis discusses coprological examination of bison dung, which is focused on the presence of trematode eggs and eggs of other parasites (nematode, cestode) in the period after the release of bison (06. 04. 2012). The results of examination show significant reduction of trematode infection and change in spectrum of other parasites occurring in the digestive system of examined bison.